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ATTORNEY'S DOC	KET NO
TH1615 (US)	
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### DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

ATTORNEY FUR FATERIAL	مأوم ليسيي م
As a below named inventor, I hereby decided the	helow next to my name. I believe I am the original, first and sole
My residence, post office address, and citizenship are as stated	I below next to my name. I believe I am the original, first and sole t and joint inventor (if plural names are listed below) of the subject t on the invention entitled ONE-STEP PRODUCTION OF 1,3-WITH A COBALT-IRON CATALYST the specification of which is
inventor (if only one name is listed which a patent is sought	t on the invention entitled ONE-STEP PRODUCTION of which is WITH A COBALT-IRON CATALYST the specification of which is
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PROPANEDIOL FROM ETHT DESIGN of the PROPANEDIOL FROM ETHT DESIGN O	POT International Application

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attached	was filed on May 15, 2002, as United	- •	DCT Internation	onal Application	
	as agon as United	States Application No	imber of PCT Internation		
$\boxtimes$	was filed on May 15, 2002, as United Number 10/146,675 and was amende	don	_ ( if applicable).		
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	14dition 11	tonts of th	e above-identified speci	itication, mendang	
_	Number 10/146,675 and was amended y state that I have reviewed and understandment referred to above.	tand the contents of the			
I hereb	y state that I have so to above.			2156	
by any	amendment retering		tontability as defined	in 27 CFR § 1.30.	
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I ackno	owledge the duty to disclose information	•	a accord of any fo	reign application(s) for	patent of inventor s
•		- 35 U.S.C. § 119(a)-(	d) or § 365(b) or any 15	country other than the	United States, listed
I here	by claim foreign priority benefits unde cate, or § 365(a) of any PCT International bases also identified below by	onal application which	designated at least one	or natent or inventor's	certificate, of FC1
cortifi	cate, or § 365(a) of any PC1 Internati	chacking the box, any	y foreign application is	en is claimed.	
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	OR FOREIGN APPLICATION(S)	COUNTRY	DAY/MO	MINICALL	·
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AP	DCATION			: (a) listed below	'
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	to aloin the benefit under 35 U.S.C.	§ 119(e) of any Office		May 18, 2001	
I he	PLICATION SERIAL NO.			FILING DATE	
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1 60	/291,827				_

APPLICATION SERIAL NO. I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

i	n the prior United States of History attended to the prior United States of the application.
8	n the prior United States of the prior application which is material to patential to patential acknowledge the duty to disclose information and the national or PCT International filing date of this application.  STATUS-PATENTED, PENDING, ABANDONED
١	n the prior United States of Tonical States of T
1	ADDITICATION SERVED.
-	FILING DATE
Ī	APPLICATION SERIAL NO.

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and

I hereby appoint the following attorney(s) and/or agent(s) to prosecute	TELEPHONE NUMBER
I hereby appoint the following therewith:	REGISTRATION NUMBER (713) 241-3356
Trademark Office connected the ATTORNEY/AGENT	26.177 TELEPHONE NUMBER
NAME Attorney	DEGISTRATION NUMBER (713) 241-3716
Donald F. Haas ATTORNEY/AGENT	30,081 (713) Revised June 1995
NAME Attorney	
Richard F. Lemuth	

# SEND CORRESPONDENCE TO:

(NAME) Donald F. Haas c/o Shell Oil Company **Intellectual Property** P.O. Box 2463 Houston, TX 77252-2463

# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

ATTORNEY'S DOCKET NO. TH1615 (US)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR (given name, family name)	
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Talmadge Gail JAMES	
SECOND INVENTOR'S SIGNATURE	DATE SIGNED
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3340 South Timeburny Control, Texas 77303	
FULL NAME OF SOLE OR FIRST INVENTOR (given name, family name)	ì
Lynn Henry SLAUGH	D 4770 0100 100
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Tyn Henry Slaugh	July 11, 2002
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POST OFFICE ADDRESS	j
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Paul Richard WEIDER	
FOURTH INVENTOR'S SIGNATURE	DATE SIGNED
Paul Richard Wil	July 10, 2002
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15014 Tramore, Houston, Texas 77083	
FULL NAME OF THIRD JOINT INVENTOR, IF ANY (given name, family name)	
Kevin Dale ALLEN	
THIRD INVENTOR'S SIGNATURE	DATE SIGNED
Ku Boli Dh	Juy 16, 2002
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RESIDENCE  37225 South Lakeshore Ave, Prairieville, LA 70769  POST OFFICE ADDRESS	Office States
37225 South Lakeshore Ave, Prairieville, LA 70769	
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Page 3 of 3 ATTORNEY'S DOCKET NO. TH1615 (US)

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are punishable by fine or imprisonment, or bout, under our any patent issued thereon.  statements may jeopardize the validity of the application or any patent issued thereon.	
on crost INVENTOR (given name, failtry hand)	DATE SIGNED
L NAME OF SOLE OR FIRST INVESTOR  seph Broun POWELL	July 11, 2002.
	CITIZENSHIP
Jan Bom Enell	United States
Jam Muni Land	Onto
ISIDENCE 0506 Normont Drive, Houston, Texas 77070	
0506 Normont Drive, Houston,	
0506 Normont Drive, Houston, Texas 77070	
0506 Normont Diver, 220	
TULL NAME OF SECOND JOINT INVENTOR, IF ANY (given name, family name)	100
THE NAME OF SECOND JOINT INVENTOR, IF ANY GIVEN	DATE SIGNED
SECOND INVENTOR'S SIGNATURE	CITIZENSHIP
SECOND INVESTIGATION	
RESIDENCE	
POST OFFICE ADDRESS	
FULL NAME OF THIRD JOINT INVENTOR, IF ANY (given name, family name)	
CITILI NAME OF THIRD JOINT INVENTOR, IF ART GOVERN	DATE SIGNED
THIRD INVENTOR'S SIGNATURE	CITIZENSHIP
THIRD INVENTOR O	
RESIDENCE	
POST OFFICE ADDRESS	
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(amily name)	
FULL NAME OF FOURTH JOINT INVENTOR, IF ANY (given name, family name)	DATE SIGNED
FULL NAME OF FOORTH 702	DATE
	TO LOT ILD
FOURTH INVENTOR'S SIGNATURE	CITIZENSHIP
RESIDENCE	
Notes	
POST OFFICE ADDRESS	
POST OFFICE ADDITION	
FULL NAME OF FIFTH I JOINT INVENTOR, IF ANY (given name, family name)	
FULL NAME OF FIFTH I JOINT INVENTOR, IF ANY GOVERN	DATE SIGNED
FIFTH INVENTOR'S SIGNATURE	CITIZENSHIP
FIFTH INVENTOR 3 SIGNAL	Citabo
RESIDENCE	
POST OFFICE ADDRESS	
LOST OTHER	· ·
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# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Number 10/146,675 and was amended on

ATTORNEY'S DOCKET NO.
TH1615 (US)

Priority

Not Claimed

As a below named inventor, I hereby declare that:

PRIOR FOREIGN APPLICATION(S)

APPLICATION NUMBER

My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first and sole
nventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject
natter which is claimed and for which a patent is sought on the invention entitled ONE-STEP PRODUCTION OF 1,3-
PROPANEDIOL FROM ETHYLENE OXIDE AND SYNGAS WITH A COBALT-IRON CATALYST the specification of which is
attached hereto unless the following box is checked:
was filed on May 15, 2002, as United States Application Number or PCT International Application

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

( if applicable).

I acknowledge the duty to disclose information which is material to patentability as defined in 27 CFR § 1.56.

COUNTRY

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

APPLICATION NUMBER	COUNTRY	DAY/MONTH/YEAR FILED	
I hereby claim the benefit under 35	U.S.C. § 119(e) of any United Sta	ates provisional application(s) listed below.	
APPLICATION SERIAL NO.		FILING DATE	**
60/291,827		May 18, 2001	
APPLICATION SERIAL NO.		FILING DATE	

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

APPLICATION SERIAL NO.	FILING DATE	STATUS-PATENTED, PENDING, ABANDONED
APPLICATION SERIAL NO.	FILING DATE	STATUS-PATENTED, PENDING, ABANDONED

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

NAME	ATTORNEY/AGENT	REGISTRATION NUMBER	TELEPHONE NUMBER
Donald F. Haas	Attorney	26,177	(713) 241-3356
NAME	ATTORNEY/AGENT	REGISTRATION NUMBER	TELEPHONE NUMBER
Richard F. Lemuth	Attorney	30,081	(713) 241-3716
			Revised June 1995

DAY/MONTH/YEAR FILED

#### **SEND CORRESPONDENCE TO:**

(NAME) <u>Donald F. Haas</u> c/o Shell Oil Company Intellectual Property P.O. Box 2463 Houston, TX 77252-2463

#### **DECLARATION AND POWER OF** ATTORNEY FOR PATENT APPLICATION

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John Frederick KNIFTON	
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FULL NAME OF SOLE OR FIRST INVENTOR (given name, family name)	•
Lynn Henry SLAUGH	
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20530 Serrington Drive, Katy, Texas 77449	

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FULL NAME OF SOLE OR FIRST INVENTOR (given name, family name)	
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THIRD INVENTOR'S SIGNATURE	DATE SIGNED
RESIDENCE	CITIZENSHIP
POST OFFICE ADDRESS	
FULL NAME OF FOURTH JOINT INVENTOR, IF ANY (given name, family name)	
FOURTH INVENTOR'S SIGNATURE	DATE SIGNED
RESIDENCE	CITIZENSHIP
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FULL NAME OF FIFTH I JOINT INVENTOR, IF ANY (given name, family name)	
FIFTH INVENTOR'S SIGNATURE	DATE SIGNED
RESIDENCE	CITIZENSHIP
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